

A Day in the Life of the Hudson River 10/16/14 & 10/20/14 Data
(Salt Front RM 65.9 & 63.6)
RIVER MILE East River 1 East – Brooklyn Bridge Park P
Janet Villas, Brooklyn Friends School, 28 (11th & 12th graders) and 2 adults
A Comparative Study Between Two Dates

Location: South of the Manhattan Bridge @ the new Brooklyn Bridge Park

Area: 100% Urban/residential

Surrounding Land Use: Urban residential 100%,

Sampling Site: Concrete bulkhead

Plants in area: no plants noted in water

Water depth:

River Bottom –

10/16/14 Data Collected by St. Francis College Students for This Group

10/20/14 Data Collected by Brooklyn Friends Students

<i>ITEM</i>	<i>TIME</i>	<i>10/16/14 Data</i>	<i>TIME</i>	<i>10/20/14 Data</i>
<i>Physical</i>				
Air Temperature	PM	13 °C 55 °F	AM	14.2 °C 58 °F
Wind Speed				Breezy
Cloud Cover	Cloudy			
Weather today	Rain		AM	Unseasonably cold, part sun,
Weather last 3 days	Light rain last few days - humid			
<i>Water Surface</i>				
<i>Water Temp.</i>	PM	16.7°C 62 °F	AM	17°C 63 °F
<i>Turbidity – tube</i>	PM	0 JTU	AM	0 JTU
<i>Coliform Bact.</i>		Positive		Positive
<i>Chemical</i>				
DO -		n/r		9.5 ppm
pH	PM	8		8
Nitrites		0		0
Nitrates		0		1.5
Iron		0		0
Copper		0		0
Salinity –	PM	25.6 ppt		24.6 ppt
Total Hardness		250	1	450
Solids –	Imhoff Cone	20 ml	1	
<i>Tides</i>	4:15 PM	High but falling		Incoming tide